

What is claimed is:

1. A communication terminal device comprising:

a packet unit determining unit for determining a most appropriate packet unit for transmission data to be packetized; and

a packet generator for packetizing the transmission data based on a packet unit determined by said packet unit determining unit.

2. A communication terminal device according to claim 1, wherein said packet unit determining unit comprises means for determining the appropriate packet unit based on packet units that can be transmitted by the communication terminal device and packet units that can be transmitted by a destination communication terminal device.

3. A communication terminal device according to claim 1, further comprising at least one of:

means for transmitting a query about packet units that can be transmitted by a destination communication terminal device to the destination communication terminal device; and

means for responding to a query about packet units that can be transmitted by the communication terminal device from the destination communication terminal device.

4. A communication terminal device according to claim 2, further comprising:

means for storing information with respect to the packet

units that can be recognized by the destination communication terminal device.

5. A communication terminal device according to claim 1, further comprising:

means for, if a retransmission request occurs while packets are being transmitted, transmitting data subsequent to the retransmission request according a smaller packet unit.

6. A billing device comprising:

means for generating a billing file storing information for billing which includes the type of a transmitted packet unit, the number of transmitted packets, and a packet communication rate, with respect to an ID to be billed; and

means for generating a charging file for the ID to be billed for a predetermined period.